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#18

RAW SEQUENCE LISTING

DATE: 04/21/2003

PATENT APPLICATION: US/09/621,781B

TIME: 15:28:56

Input Set : A:\09621781SubSeqList.txt

Output Set: N:\CRF4\04212003\I621781B.raw

```

4 <110> APPLICANT: Fisher, Paul
5     Su, Zao-Zhong
7 <120> TITLE OF INVENTION: Nucleic Acids Comprising Regions of the
8     Rat PEG-3 Promoter that Display Elevated Expression in Human
9     Cancer Cells and Uses Thereof
12 <130> FILE REFERENCE: A34690
14 <140> CURRENT APPLICATION NUMBER: 09/621,781B
15 <141> CURRENT FILING DATE: 2000-07-21
17 <160> NUMBER OF SEQ ID NOS: 12
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 1970
23 <212> TYPE: DNA
24 <213> ORGANISM: Rattus norvegicus
26 <220> FEATURE:
27 <221> NAME/KEY: promoter
28 <222> LOCATION: (1507)...(1970)
29 <223> OTHER INFORMATION: PEG-3 Promoter (corresponds to -270 to +194 of
30     Figure 2)
32 <221> NAME/KEY: protein_bind
33 <222> LOCATION: (1672)...(1677)
34 <223> OTHER INFORMATION: PEA3 protein binding site
W--> 36 <221> TATA_signal
37 <222> LOCATION: (1748)...(1753)
W--> 39 <221> misc_feature
40 <222> LOCATION: (1777)...(1777)
41 <223> OTHER INFORMATION: RNA cap site (corresponds to +1 of Figure 2)
W--> 43 <221> protein_bind
44 <222> LOCATION: (1781)...(1787)
45 <223> OTHER INFORMATION: AP1 protein binding site
W--> 47 <400> 1
48 acatgggcac gcgtggtcga cggccccgggc tggtctgggca acacgggttc agcccagggtt 60
49 tcatagtaag ttccagacac tcctggaaaa acaatacagg tcctgacaa aagaaaaaac 120
50 aaaacaaagg aaacagaaac atgcgttttt aaaaaagaag gaggagactc catgaaggca 180
51 ggccttggtt ggggtcactg cttctctgta cacaggagga gaattgcaa gatcttcggt 240
52 acagtgtgga ctatactgta agaccctctc aatacagaca gactggacag gcatagtgc 300
53 acatgccttt aatgcctgca gtactcagga ggaggtggca ggtggaacgg ctgttctttg 360
54 aggttcaaga ccagcgtgga ctacagagtg agttccagga caggcagggc tacacagaaa 420
55 aatcctgtct gaaaacaaaa caaaaccag acagacacac caaaaacagc caagggacca 480
56 gagagatggg tcagggccta atcacttgct actctttgca gaggaccaa atttagttcc 540
57 tataaccctc catgagaagc ttcacaattg tctctaactc aattccaccc gtgttcgac 600
58 ctcccatacg caccagacat gttatactca cacatacgca caaacacaca cacacacaca 660
59 cacacacaca cacacacaca cacacacaca cggaaaacat ataaaataaa gatttaaaaa 720

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60 atcttttttct tttggccggg gtgtgtggga gagcatctga gccatctcac cagcccagg 780
61 tgcacgtctt tttctttttt tcggagctgg ggaccgaacc cagagccttg tgcttgctag 840
62 gcaagtgtct taccactgag ctaaatcccc aaccccgagg cacgtcttta atcccagaat 900
63 caggaggtag aggtaatgag atcccagtg gcccaagggtc agccgagtct acaaagttag 960
64 ttccaggaca gccagaacta atcttggaaa aacaaacaag ggctgggtgag gtggttcagt 1020
65 agttaagaac actggctgct cttccagagg tcctgagttc attctcagta accacatgg 1080
66 ggggatctga tgcctgttct ggcatgcaga tatacatgca gatagtgcac tcctacattt 1140
67 aaaaaaaaaa gacataaata atattttaaa acattggcg ttttgtcttc taataaaaact 1200
68 tcaactgctat ctcttaataa aaattcactg ctaccgcgg ggtgtggtgc ccccatacct 1260
69 ttaatcccaa caacttgaga ggcagaggca ggcggacctt tgagtttgaa gctagcctgg 1320
70 tctacagagt gagttcaaga tagccacgga tagtcagaaa gtctgtttc gaacctctcc 1380
71 ccaaccaa at cactcctgta atcccagcac tctggaggca gtagcagggtt agtccctgct 1440
72 tctcagagag aggagagaga gagagagaga gaggagacac acacacacag agacagagag 1500
73 gagagagaaa gagaaagaga atgggacagc atgtgactgc ctgatgaagt tggcgtgctt 1560
74 gctcaaaagt tctgcgagat tgacggctct ctggatttga gccaaaggaca cgcctgggaa 1620
75 gccacggtga cctcacaagg cccggaatct ccgcgagaat ttcagtgttg ttttcctctc 1680
76 tccacctttc tcagggactt ccgaaactcc gcctctccgg tgacgtcagc atagcgtgc 1740
77 gtcagactat aaactcccg gtgacgtgt tggcgcagat tgactcagtt cgcagcttgt 1800
78 ggaagattac atgcgagacc ccgcgcgact ccgcacccct ttgccgggac agcctttg 1860
79 acagcccgtg agacatcacg tccccgagcc ccacgcctga gggcgacatg aacgcgctgg 1920
80 ccttgagagc aatccggacc cacgatcgct tttggcaaac cgaaccggac 1970

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82 <210> SEQ ID NO: 2

83 <211> LENGTH: 28

84 <212> TYPE: DNA

85 <213> ORGANISM: Artificial Sequence

87 <220> FEATURE:

88 <223> OTHER INFORMATION: synthetic oligonucleotide

90 <400> SEQUENCE: 2

91 gatctagggt gttgtgagag gatcggag

28

93 <210> SEQ ID NO: 3

94 <211> LENGTH: 25

95 <212> TYPE: DNA

96 <213> ORGANISM: Artificial Sequence

98 <220> FEATURE:

99 <223> OTHER INFORMATION: synthetic oligonucleotide

101 <400> SEQUENCE: 3

102 tcggtttgcc aaaagcgatc gtggg

25

104 <210> SEQ ID NO: 4

105 <211> LENGTH: 35

106 <212> TYPE: DNA

107 <213> ORGANISM: Artificial Sequence

109 <220> FEATURE:

110 <223> OTHER INFORMATION: synthetic oligonucleotide

112 <400> SEQUENCE: 4

113 ggcaaaggga tgcggagtcg cgcgggtctc gcatg

35

115 <210> SEQ ID NO: 5

116 <211> LENGTH: 20

117 <212> TYPE: DNA

118 <213> ORGANISM: Artificial Sequence

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Input Set : A:\09621781SubSeqList.txt

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120 <220> FEATURE:
121 <223> OTHER INFORMATION: synthetic oligonucleotide
123 <400> SEQUENCE: 5
124 cgcagattga ctcagttcgc 20
126 <210> SEQ ID NO: 6
127 <211> LENGTH: 18
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: synthetic oligonucleotide
134 <400> SEQUENCE: 6
135 gtctaactga gtcaagcg 18
137 <210> SEQ ID NO: 7
138 <211> LENGTH: 19
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: synthetic oligonucleotide
145 <400> SEQUENCE: 7
146 cgcagataaa ctagttcgc 19
148 <210> SEQ ID NO: 8
149 <211> LENGTH: 20
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: synthetic oligonucleotide
156 <400> SEQUENCE: 8
157 gcgtctatatt gatgcaagcg 20
159 <210> SEQ ID NO: 9
160 <211> LENGTH: 20
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: synthetic oligonucleotide
167 <400> SEQUENCE: 9
168 gtgttggttt cctctctcca 20
170 <210> SEQ ID NO: 10
171 <211> LENGTH: 20
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: synthetic oligonucleotide
178 <400> SEQUENCE: 10
179 cacaacaaaa ggagagaggt 20
181 <210> SEQ ID NO: 11
182 <211> LENGTH: 20
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:

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187 <223> OTHER INFORMATION: synthetic oligonucleotide
189 <400> SEQUENCE: 11
190 gtgttggtcc catctctcca 20
192 <210> SEQ ID NO: 12
193 <211> LENGTH: 20
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: synthetic oligonucleotide
200 <400> SEQUENCE: 12 20
201 cacaacaagg gtagagaggt

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/621,781B

DATE: 04/21/2003

TIME: 15:28:57

Input Set : A:\09621781SubSeqList.txt

Output Set: N:\CRF4\04212003\I621781B.raw

L:36 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:39 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:43 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:47 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1